Made in China

CE FC RoHS

User Manual

EMF Tester



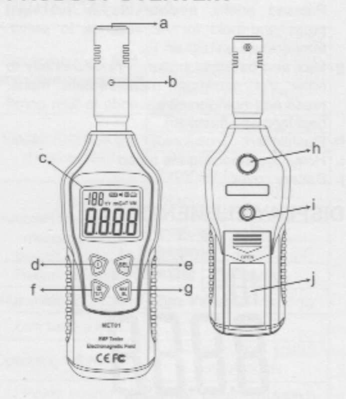
Model: MET01

Contents

INTRODUCTION

Thank you for purchasing MET01 EMF Tester, which is designed to measure the electromagnetic field strength and electric field strength of household appliances such as television, electric fan, etc. Please read this user's manual carefully and thoroughly before using the instrument.

PRODUCT OVERVEIW



a. Signal receiving area
b. Three color (green, yellow, red) signal indicator, varies according to the signal strength
c. LCD display
d. Power button. Press and hold to power meter on / off; press briefly to turn off the audible alarm.
e. Electromagnetic field strength measurement and electric field strength measurement mode switching button.
f. Data hold and temperature unit switch button. Pressed briefly, freezes display readings; press and hold for >2 seconds to switch temperature unit ˚C or ˚F.
g. Max and backlight button. Pressed briefly to enter the maximum measurement mode; press and hold for >2 seconds to turn on/off backlight and flashlight.
h. Flashlight
i. Hole for connecting the tripod
j. Battery cover

DISPLAY ELEMENTS



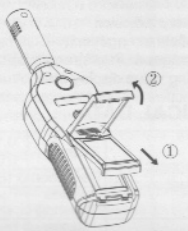
1. Ambient temperature display area
2. Temperature unit
3. MAX indicator
4. Audible alarm indicator
5. Data hold indicator
6. Low battery indicator
7. Electric field strength unit
8. Electromagnetic field strength unit
9. Measuring value display area

TECHNICAL DATA

Electromagnetic field strength measurement	Range	0.1-199.9mG 0.01-19.99μT
	Resolution	0.1mG / 0.01μT
	Alarm threshold	> 4.0mG / > 0.4μT
Electric field strength measurement	Range	1-1999V/M
	Resolution	1V/M
	Alarm threshold	> 40 V/M
Ambient temperature measurement	Range	0~50˚C 32~122˚F
	Resolution	1˚C / ˚F
	Precision	±1.5˚C / 3˚F
Frequency range	5Hz —3500MHz	
Automatic shut-down	10 minutes of inactivity	
Low battery icon	<6.8V	
Operating temperature	0~40 ˚C / 32~104˚F 45%-80%RH	
Power source	1*"9V" battery (included)	

OPERATING INSTRUCTIONS

1. Inserting the battery. Open the battery cover as shown in the picture and insert a new 9V battery(included).



Notes:

- When inserting the new battery, ensure that the polarity is correct.
- When the icon appears at the upper right of the LCD, It means that the battery is low and the battery must be replaced.
- Remove the battery when storing the unit or when you do not expect to use it for an extended period of time.

2. Press and hold the button to power the meter on.

NOTE: If you feel that the alarm sound is too noisy, press briefly this button to turn off the audible alarm.

3. Press the button to select the measurement mode of the electromagnetic field strength or electric field strength, and the corresponding unit will appear on the display. The instrument is powered on by default to the measurement mode of the electromagnetic field strength . The unit of electromagnetic field strength can be switched between mG and μT as your need. If you want to measure the electric field strength, switch to the V/M unit.

NOTE: Before measuring, you must ensure that the measured object is in the frequency range(5Hz —3500MHz).

4. Press briefly the button to freeze the display in the display window. The icon H will appear in the display window and the reading will remain fixed until the button is pressed again. Press down this button for more than 2 seconds will switch the temperature unit ˚C or ˚F.
5. If you want to know the peak of the measurement object, press briefly the button to enter the maximum measurement mode, and the icon MAX will be displayed on the screen. Press briefly this button again to exit the maximum mode. Press down this button for more than 2 seconds will turn the backlight and flashlight on or off. This can be usefull if you wish to perform a reading in conditions of darkness or poor visibility.
6. Press and hold the button for more than 2 seconds to power the meter off.

WARNING:

- Check the instrument carefully before use. If you find any damage or other problems, please do not use and contact us.
- Do not disassemble the meter and change the internal wiring to avoid damage to the meter.
- Do not store or use in high temperature, high humidity, flammable and explosive environment.